

Date: April 20, 2017
To: Mike Ragan
CC: Laurie Hulse-Moyer, Julie Oliver
From: Margee Chambers & Mark Rowe
Subject: Spokane County PM10 and CO Design Values for Air Monitoring Network Report

PM₁₀ Design Values

Included in this memo are the 5-year and 3-year design values for the Spokane County Maintenance Area, in Spokane, Washington. The design values are based on FRM and FEM 24-hour PM₁₀ monitoring data from the Augusta Avenue site (530630021), in Spokane, Washington.

A 5-year PM₁₀ design value below 98 µg/m³ demonstrates that the Spokane County Maintenance Area continues to qualify for the LMP approach. The 5-year PM₁₀ design value estimate for 2012–2016 is 84 µg/m³. The design value meets LMP qualification criteria.

A 3-year PM₁₀ design value at or below 1.0 demonstrates compliance with the PM₁₀ NAAQS. The design value is the number of 24-hour exceedances of 150 µg/m³, averaged over three years. The 2016 PM₁₀ design value is 0. This design value is in attainment with the standard.

CO Design Values

On July 14, 2016, Federal Register # 81 FR 45417, the EPA approved an alternate method of verification of attainment of the CO NAAS and qualification for the limited maintenance plan option under 40 CFR 58.14(c). Under this alternative, the EPA considers the limited maintenance plan criteria met and continued verification of attainment of the CO NAAQS if the total of the three predominate CO emission source categories calculated as part of the triennial emissions inventory (onroad mobile, nonroad, and residential wood combustion) remain below the corresponding total of the 2002 emission inventory source categories approved at the time the Spokane-area was redesignated to attainment.

The 2015 limited maintenance plan included the most up to date emissions inventory data available, including 2015 MOVES modeling of onroad emissions. The total annual emissions of the three source categories for the maintenance area was 63,934 tons per year. This 2015 total is well below the corresponding total of three emission categories from the 2002 emissions inventory which was 114,559 tons per year.

	Onroad	Nonroad	Residential wood combustion	Total
2002	78,868 tons/yr	20,449 tons/yr	15,242 tons/yr	114,559 tons/yr
2015	47,262 tons/yr	9,458 tons/yr	7,214 tons/yr	63,934 tons/yr

Therefore, the Spokane CO maintenance area continues to qualify for the limited maintenance plan option and continued verification of attainment of the CO NAAQS. SRCAA and Ecology's next analysis of the 2017 triennial emissions inventory will be included when that data is available in 2018.